1600

RAW SEQUENCE LISTING   DATE: 12/05/2003
PATENT APPLICATION: US/08/452,843D   TIME: 09:32:41

Input Set : N:\AMC\US08452843D.raw
Output Set: N:\CRF4\12052003\H452843D.raw

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 1 <110> APPLICANT: Sette, Alessandro
 2        Sidney, John
 3 <120> TITLE OF INVENTION: HLA Binding Peptides and Their Uses
 4 <130> FILE REFERENCE: 2060.0010002
 5 <140> CURRENT APPLICATION NUMBER: US/08/452,843D
 6 <141> CURRENT FILING DATE: 1995-08-30
 7 <150> PRIOR APPLICATION NUMBER: US 08/344,824
 8 <151> PRIOR FILING DATE: 1994-11-23
 9 <150> PRIOR APPLICATION NUMBER: US 08/278,634
10 <151> PRIOR FILING DATE: 1994-07-21
11 <160> NUMBER OF SEQ ID NOS: 34
12 <170> SOFTWARE: PatentIn ver 3.1
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15 <211> LENGTH: 9
16 <212> TYPE: PRT
17 <213> ORGANISM: Artificial Sequence
18 <220> FEATURE:
19 <223> OTHER INFORMATION: B35 consensus peptide
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22        1               5
24 <210> SEQ ID NO: 2
25 <211> LENGTH: 9
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Y1 analog of 1054.05
30 <400> SEQUENCE: 2
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32        1               5
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35 <211> LENGTH: 11
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: MAGE-1
40 <400> SEQUENCE: 3
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42        1               5                       10
44 <210> SEQ ID NO: 4
45 <211> LENGTH: 9
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial Sequence
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C--> (line 5)

P.6

ENTERED

RAW SEQUENCE LISTING   DATE: 12/05/2003
PATENT APPLICATION: US/08/452,843D   TIME: 09:32:41

Input Set : N:\AMC\US08452843D.raw
Output Set: N:\CRF4\12052003\H452843D.raw

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49 <223> OTHER INFORMATION: B53 self peptide
50 <400> SEQUENCE: 4
51       Tyr Pro Ala Glu Ile Thr Leu Tyr Trp
52       1               5
54 <210> SEQ ID NO: 5
55 <211> LENGTH: 9
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Cw3 consensus
60 <400> SEQUENCE: 5
61       Phe Ala Met Pro Asn Phe Gln Thr Leu
62       1               5
64 <210> SEQ ID NO: 6
65 <211> LENGTH: 9
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Cw3 consensus
70 <400> SEQUENCE: 6
71       Phe Ala Met Pro Asn Phe Tyr Thr Leu
72       1               5
74 <210> SEQ ID NO: 7
75 <211> LENGTH: 9
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Cw4 consensus
80 <400> SEQUENCE: 7
81       Gln Pro Asp Asp Ala Val Tyr Lys Leu
82       1               5
84 <210> SEQ ID NO: 8
85 <211> LENGTH: 9
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Cw6 consensus
90 <400> SEQUENCE: 8
91       Ile Pro Tyr Pro Ile Val Arg Lys Leu
92       1               5
94 <210> SEQ ID NO: 9
95 <211> LENGTH: 9
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Cw6 consensus
100 <400> SEQUENCE: 9
101       Ile Pro Tyr Pro Ile Val Arg Ser Leu
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RAW SEQUENCE LISTING   DATE: 12/05/2003
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Input Set : **N:\AMC\US08452843D.raw**
Output Set: **N:\CRF4\12052003\H452843D.raw**

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104 <210> SEQ ID NO: 10
105 <211> LENGTH: 9
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Cw6 consensus
110 <400> SEQUENCE: 10
111      Ile Pro Phe Pro Ile Val Arg Tyr Leu
112          1              5
114 <210> SEQ ID NO: 11
115 <211> LENGTH: 9
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Histone H3.3
120 <400> SEQUENCE: 11
121      Arg Tyr Arg Pro Gly Thr Val Ala Leu
122          1              5
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125 <211> LENGTH: 9
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128 <220> FEATURE:
129 <223> OTHER INFORMATION: B7 Nat. Processed
130 <400> SEQUENCE: 12
131      Met Pro Arg Gly Val Val Val Thr Leu
132          1              5
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135 <211> LENGTH: 10
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: p53, 26-35
140 <400> SEQUENCE: 13
141      Leu Pro Glu Asn Asn Val Leu Ser Pro Leu
142          1              5              10
144 <210> SEQ ID NO: 14
145 <211> LENGTH: 10
146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: p53, 84-93
150 <400> SEQUENCE: 14
151      Ala Pro Ala Pro Ala Pro Ser Trp Pro Leu
152          1              5              10
154 <210> SEQ ID NO: 15
155 <211> LENGTH: 11
156 <212> TYPE: PRT
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RAW SEQUENCE LISTING   DATE: 12/05/2003
PATENT APPLICATION: US/08/452,843D   TIME: 09:32:41

Input Set : N:\AMC\US08452843D.raw
Output Set: N:\CRF4\12052003\H452843D.raw

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158 <220> FEATURE:
159 <223> OTHER INFORMATION: p53, 127-137
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165 <211> LENGTH: 9
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: p53, 154-162
170 <400> SEQUENCE: 16
171      Gly Thr Arg Val Arg Ala Met Ala Ile
172      1                5
174 <210> SEQ ID NO: 17
175 <211> LENGTH: 9
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: p53, 249-257
180 <400> SEQUENCE: 17
181      Arg Pro Ile Leu Thr Ile Ile Thr Leu
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184 <210> SEQ ID NO: 18
185 <211> LENGTH: 10
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: p53, 299-308
190 <400> SEQUENCE: 18
191      Leu Pro Pro Gly Ser Thr Lys Arg Ala Leu
192      1                5                10
194 <210> SEQ ID NO: 19
195 <211> LENGTH: 9
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: p53, 315-323
200 <400> SEQUENCE: 19
201      Ser Pro Gln Pro Lys Lys Lys Pro Leu
202      1                5
204 <210> SEQ ID NO: 20
205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: p53, 321-330
210 <400> SEQUENCE: 20
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RAW SEQUENCE LISTING   DATE: 12/05/2003
PATENT APPLICATION: US/08/452,843D   TIME: 09:32:41

        Input Set : N:\AMC\US08452843D.raw
        Output Set: N:\CRF4\12052003\H452843D.raw

211   Lys Pro Leu Asp Gly Glu Tyr Phe Thr Leu
212   1   5   10
214 <210> SEQ ID NO: 21
215 <211> LENGTH: 9
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: p53, 361-369
220 <400> SEQUENCE: 21
221   Gly Ser Arg Ala His Ser Ser His Leu
222   1   5
224 <210> SEQ ID NO: 22
225 <400> SEQUENCE: 22
W--> 226   000
228 <210> SEQ ID NO: 23
229 <400> SEQUENCE: 23
W--> 230   000
232 <210> SEQ ID NO: 24
233 <400> SEQUENCE: 24
W--> 234   000
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237 <400> SEQUENCE: 25
W--> 238   000
240 <210> SEQ ID NO: 26
241 <211> LENGTH: 9
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: supermotif
246 <220> FEATURE:
247 <221> NAME/KEY: VARIANT
248 <222> LOCATION: (1)...(9)
249 <223> OTHER INFORMATION: Xaa may be any of the amino acids found in Table 1, as
250   well as, non-naturally occurring amino acids or
251   amino acid mimetics
252 <400> SEQUENCE: 26
W--> 253   Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Ala
254   1   5
256 <210> SEQ ID NO: 27
257 <211> LENGTH: 9
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: supermotif
262 <220> FEATURE:
263 <221> NAME/KEY: VARIANT
264 <222> LOCATION: (1)...(9)
265 <223> OTHER INFORMATION: Xaa may be any of the amino acids found in Table 1, as
266   well as, non-naturally occurring amino acids or

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/05/2003
PATENT APPLICATION: US/08/452,843D   TIME: 09:32:42

Input Set : N:\AMC\US08452843D.raw
Output Set: N:\CRF4\12052003\H452843D.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; Xaa Pos. 1,3,4,5,6,7,8
Seq#:27; Xaa Pos. 1,3,4,5,6,7,8
Seq#:28; Xaa Pos. 1,3,4,5,6,7,8
Seq#:29; Xaa Pos. 1,3,4,5,6,7,8
Seq#:30; Xaa Pos. 1,3,4,5,6,7,8
Seq#:31; Xaa Pos. 1,3,4,5,6,7,8
Seq#:32; Xaa Pos. 1,3,4,5,6,7,8,9
Seq#:33; Xaa Pos. 1,3,4,5,6,7,8,9,10
Seq#:34; Xaa Pos. 1,3,4,5,6,7,8,9,10,11